

Message

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**From:** Rate, Debra [Rate.Debra@epa.gov]  
**Sent:** 1/11/2021 9:48:08 PM  
**To:** Wagman, Michael [Wagman.Michael@epa.gov]; Blankinship, Amy [Blankinship.Amy@epa.gov]  
**CC:** Adeeb, Shanta [Adeeb.Shanta@epa.gov]; Johnson, Marion [Johnson.Marion@epa.gov]  
**Subject:** RE: Aldicarb - MRIDs used from other carbamates

Hi Michael,

Don't worry about the DER. The registrant hasn't asked for it and I will provide them with the citation.

They have listed it on the updated data matrix, which is what we needed to get over this hump.

Thanks again for all of your help and assistance!  
Debra

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**From:** Wagman, Michael <Wagman.Michael@epa.gov>  
**Sent:** Monday, January 11, 2021 2:59 PM  
**To:** Rate, Debra <Rate.Debra@epa.gov>; Blankinship, Amy <Blankinship.Amy@epa.gov>  
**Cc:** Adeeb, Shanta <Adeeb.Shanta@epa.gov>; Johnson, Marion <Johnson.Marion@epa.gov>  
**Subject:** RE: Aldicarb - MRIDs used from other carbamates

Hi Debra,

I haven't been able to find the DER yet, but here's the citation for the study:

Mansour, S.A., and M.K. Al-Jalili (1985). Determination of residues of some insecticides in clover flowers: A bioassay method using honeybee adults. *Journal of Apicultural Research*, 24(3): 195-198.

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**From:** Rate, Debra <Rate.Debra@epa.gov>  
**Sent:** Monday, January 11, 2021 2:31 PM  
**To:** Wagman, Michael <Wagman.Michael@epa.gov>; Blankinship, Amy <Blankinship.Amy@epa.gov>  
**Cc:** Adeeb, Shanta <Adeeb.Shanta@epa.gov>; Johnson, Marion <Johnson.Marion@epa.gov>  
**Subject:** RE: Aldicarb - MRIDs used from other carbamates

Hi Amy and Mike,

Could you shed any light on the MRID E67983? It is not the standard naming for MRIDs and I couldn't find the study in Documentum.

Debra

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**From:** Wagman, Michael <Wagman.Michael@epa.gov>  
**Sent:** Monday, January 11, 2021 8:03 AM  
**To:** Rate, Debra <Rate.Debra@epa.gov>; Blankinship, Amy <Blankinship.Amy@epa.gov>  
**Subject:** RE: Aldicarb - MRIDs used from other carbamates

FYI, they go in order in the table. So first # is aldicarb, 2<sup>nd</sup> is methomyl and 3<sup>rd</sup> is oxamyl. If only 2#s then 1<sup>st</sup> methomyl and 2<sup>nd</sup> oxamyl.

**From:** Rate, Debra <Rate.Debra@epa.gov>  
**Sent:** Monday, January 11, 2021 7:51 AM  
**To:** Blankinship, Amy <Blankinship.Amy@epa.gov>; Wagman, Michael <Wagman.Michael@epa.gov>  
**Cc:** Johnson, Marion <Johnson.Marion@epa.gov>; Adeeb, Shanta <Adeeb.Shanta@epa.gov>  
**Subject:** RE: Aldicarb - MRIDs used from other carbamates

Thank you so much for sending.

No worries. I can get the chemical information.

Thanks again!!  
Debra

**From:** Blankinship, Amy <Blankinship.Amy@epa.gov>  
**Sent:** Monday, January 11, 2021 7:49 AM  
**To:** Rate, Debra <Rate.Debra@epa.gov>; Wagman, Michael <Wagman.Michael@epa.gov>  
**Cc:** Johnson, Marion <Johnson.Marion@epa.gov>; Adeeb, Shanta <Adeeb.Shanta@epa.gov>  
**Subject:** RE: Aldicarb - MRIDs used from other carbamates

The MIRD nos. are in the memo, I've copied the table below. What I don't know from the table is what one belongs to which chemical.

**Table 1. Tier 1 Honey Bee Toxicity Endpoints for Aldicarb, Methomyl, and Oxamyl**

Study Type	Endpoint (µg a.i./bee)	Value for Chemical			MRIDs
		Aldicarb	Methomyl	Oxamyl	
Adult acute contact	LD50	0.29	0.068	0.31	00036935, E67983, 05001991
Adult acute oral	LD50	NA	0.28	0.094	45093001, 05001991
Adult chronic oral	NOAEL	NA	0.011	0.07	49830501, 49520701
	LOAEL	NA	0.017 (18%↑ mortality, 15%↓ food consumption)	0.12 (18%↑ mortality, 24%↓ food consumption)	
Larval acute oral	LD50	NA	3.5	0.93	49876101, 49520702
Larval chronic oral <sup>1</sup>	NOAEL	NA	0.12 <sup>1</sup>	0.36 <sup>1</sup>	49876101, 49520702

NA=Not Available

**Bold** endpoints are used for risk estimation/characterization

<sup>1</sup> Larval acute oral NOAEL used as an approximation of potential chronic toxicity

**From:** Rate, Debra <Rate.Debra@epa.gov>  
**Sent:** Monday, January 11, 2021 7:43 AM  
**To:** Blankinship, Amy <Blankinship.Amy@epa.gov>; Wagman, Michael <Wagman.Michael@epa.gov>

**Cc:** Johnson, Marion <[Johnson.Marion@epa.gov](mailto:Johnson.Marion@epa.gov)>; Adeeb, Shanta <[Adeeb.Shanta@epa.gov](mailto:Adeeb.Shanta@epa.gov)>

**Subject:** RE: Aldicarb - MRIDs used from other carbamates

Hi Amy,

## Ex. 5 AC/DP

Thanks.

Debra

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**From:** Blankinship, Amy <[Blankinship.Amy@epa.gov](mailto:Blankinship.Amy@epa.gov)>

**Sent:** Monday, January 11, 2021 7:37 AM

**To:** Rate, Debra <[Rate.Debra@epa.gov](mailto:Rate.Debra@epa.gov)>; Wagman, Michael <[Wagman.Michael@epa.gov](mailto:Wagman.Michael@epa.gov)>

**Cc:** Johnson, Marion <[Johnson.Marion@epa.gov](mailto:Johnson.Marion@epa.gov)>; Adeeb, Shanta <[Adeeb.Shanta@epa.gov](mailto:Adeeb.Shanta@epa.gov)>

**Subject:** RE: Aldicarb - MRIDs used from other carbamates

I'll let Michael answer, but do you mean the DERs for the studies?

Amy

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**From:** Rate, Debra <[Rate.Debra@epa.gov](mailto:Rate.Debra@epa.gov)>

**Sent:** Monday, January 11, 2021 6:49 AM

**To:** Blankinship, Amy <[Blankinship.Amy@epa.gov](mailto:Blankinship.Amy@epa.gov)>; Wagman, Michael <[Wagman.Michael@epa.gov](mailto:Wagman.Michael@epa.gov)>

**Cc:** Johnson, Marion <[Johnson.Marion@epa.gov](mailto:Johnson.Marion@epa.gov)>; Adeeb, Shanta <[Adeeb.Shanta@epa.gov](mailto:Adeeb.Shanta@epa.gov)>

**Subject:** Aldicarb - MRIDs used from other carbamates

Hi Amy and Michael,

Do you have easy access to the MRID Nos. for the pollinator studies from the other carbamates you considered/bridged to the aldicarb situation?

Please let me know.

Thank you!

Debra

Debra Rate, Ph.D.  
Senior Regulatory Specialist  
Invertebrate & Vertebrate Branch 2  
Registration Division  
U.S. Environmental Protection Agency

Phone: 703-306-0309